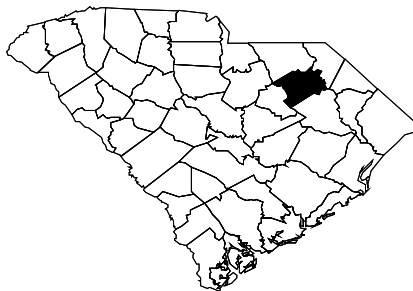


ASTHMA IN DARLINGTON County, 2012



Produced by the S.C. Department of Health and Environmental Control

March 2014

Impact of Asthma in the United States

- U.S. asthma cases more than tripled from an estimated 6.7 million in 1980 to 25.7 million in 2012.
- Costs for asthma have more than tripled from an estimated \$6.2 billion in 1990, to an estimated \$20.7 billion in 2012.
- An estimated 7 million (9.4%) U.S. children and 18.7 million adults were asthmatic in 2012.
- 3,404 people died of asthma in 2012.

Asthma in South Carolina

- Currently about 315,071 adults and 96,982 children suffer from asthma in South Carolina (2012 estimate).
- In 2012, 1.1% (5,699) of ALL hospitalizations were from asthma.
- Asthma claimed the lives of 80 South Carolinians in 2012.

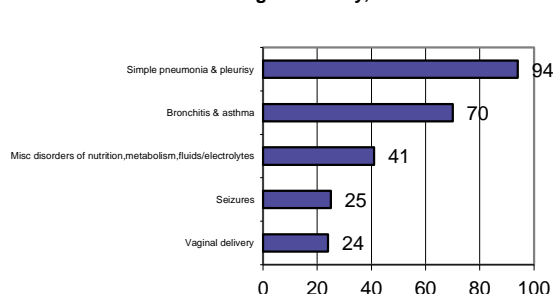
Impact of Asthma in Darlington County

- Approximately 4991*adults in Darlington county suffer From asthma annually.
- In 2012, there were 137 hospitalizations for asthma in Darlington county for all ages.

Children Suffer the Most from Asthma

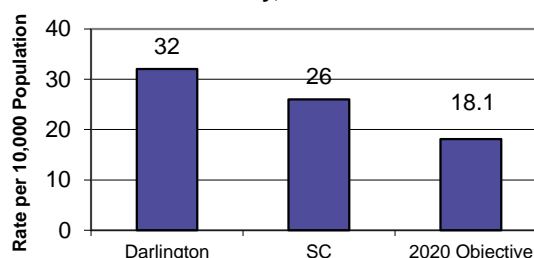
- Asthma/ Bronchitis is the 2nd leading cause of hospitalization in Darlington county for children under the age of 18.

Leading Causes of Hospitalization in Children Ages 0-18 Darlington County, 2012



- In 2012, there were 44 asthma hospitalizations of children (<18 years) in Darlington county.
- Healthy People 2020 Objectives for asthma hospitalizations among children under age 5 years is 18.1 per 10,000 children.
- Darlington county had a hospitalization rate of 32 per 10,000 children under the age of 5 in 2012, compared to South Carolina's 26 per 10,000 children.

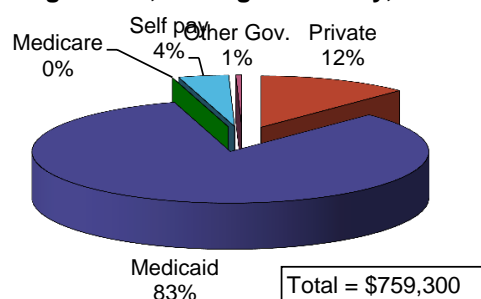
Comparison of Asthma Hospitalization Rates, Children Aged 0-4, Darlington County, 2012



Cost of Asthma

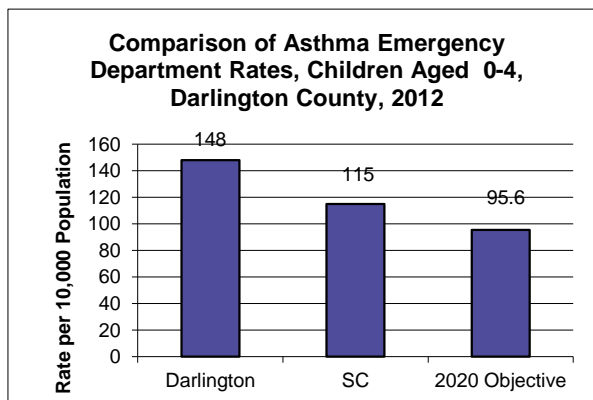
- \$759300 was charged in 2012 for hospital and ER visits in Darlington county for asthmatic children (<18 years).
- Medicaid covered 83% of these charges.

Percent Distribution of Asthma ER & Hospitalization Charges of Children Aged 0-18, Darlington County, 2012



Emergency Room

- 159 children under the age of 18 visited the ER due to asthma in Darlington county in 2012. This represents 42% of all ER visits due to asthma.
- \$261400 was charged for ER visits in Darlington county for asthmatic children (<18 years) in 2012.



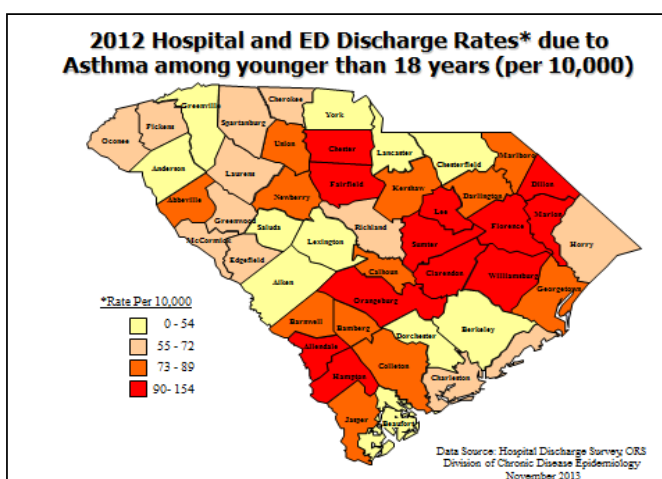
- Healthy People 2020 Objective for asthma related ER visits among children under the age 5 years old is 95.6 per 10,000 children.
- Darlington county had an ER rate of 148 per 10,000 children under the age of 5 in 2012, compared to South Carolina's 115 per 10,000



Disparities

- Black children under the age of 18 visit the ER more frequently than white children in the same age group.
- The hospitalization rate among black children is four times as high as white children in Darlington, and the ER rate is four times higher for black children.

Hospital and Emergency Room Visits Rates per 10,000 Children (<18 years), 2012				
	Darlington		South Carolina	
	White	Black	White	Black
Hospital	10.1	45.0	6.9	31.4
ER	39.1	160.0	34.7	198.9



*Estimate based on DHEC Health Region 4: Chesterfield, Clarendon, Darlington, Dillon, Florence, Kershaw, Lee, Marion, Marlboro, Sumter

For more information about asthma, contact:

SC DHEC Data Source:
Behavior Risk Factor Surveillance System
 Division of Biostatistics
 (803)898-3629

Vital Statistics
 Division of Biostatistics
 (803)898-3627

Bureau of Air Quality
 Outreach Section
 (803)898-4467
www.scdhec.net

Generated by:
 Bureau of Community Health & Chronic Disease Prevention

Hospital discharges and ER visits, contact:

Office of Research and Statistics
 SC Budget and Control Board
 1919 Blanding Street
 Columbia, SC 29201
 (803)898-9958

www.orss.state.sc.us/hd

For more details, please view the Technical Document below
www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf

